

### **REMARKS**

This responds to the Office Action mailed on August 22, 2007.

Claims 1, 3-5, 7, 8 and 23-25 remain pending in this application.

#### **Double Patenting Rejection**

Claims 1, 3-5, 7, 8 and 23-25 were rejected under the judicially created doctrine of double patenting over claims 1-16 of U.S. Patent No. 6,703,299.

**Applicant submits that a Terminal Disclaimer in compliance with 37 CFR 1.321(b) (IV) to obviate this rejection was previously filed with the U.S. Patent Office on June 1, 2007.**

#### **§112 Rejection of the Claims**

Claims 4 and 5 were rejected under 35 USC § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention. Regarding claim 4, the Office has stated

Claim 4 recites the limitation "after beginning curing the underfill material and removing the film, curing includes: curing the underfill material that is in contact with the film; removing the film; and thereafter curing the underfill material that is between the die and the mounting substrate." It is confusing since this recitation implies that there is a step for curing the underfill material that is in contact with the film and an another step for curing the underfill material that is between the die and the mounting substrate.

The Applicant respectfully asserts the interpretation made by the Examiner, is good, accurate, and valid. Because the Office has interpreted claim 4 in a way that is acceptable (and expected) by the Applicant, this should be *prime facie* evidence the claim is not confusing. The Office may look to Applicant's disclosure for support:

"The mold press 232 has a heater element 238 (depicted schematically). In one embodiment, the heater element 238 acts to cure a portion of the underfill material 224 that is in contact with the non-tacky film 230. **Figure 4B** depicts the flip-chip assembly 210 after the non-tacky film 230 has been removed, but before a

completed cure of the underfill material 224 has been accomplished.”

Withdrawal of the rejection is respectfully requested.

Regarding claim 25, the Office has stated

Claim 25 recites the limitation “... a mold press that gives shape to the film.” Note that the instant invention does not disclose this aspect. And furthermore, the film is a thin layer stretched over the package, therefore, the mold press is not for shaping the film. In addition, this limitation applies for a non-tacky film.

The Applicant respectfully disagrees. The Applicant’s disclosure states regarding a mold press:

“A non-tacky film 230 is depicted in Figure 4A as having been stretched over the flip-chip assembly 210 and a mold press 232 is depicted as rendering a cross-sectional profile to non-tacky film 230, and consequently to the underfill material 224.”

Withdrawal of the rejection is respectfully requested.

### **RESERVATION OF RIGHTS**

In the interest of clarity and brevity, Applicant may not have addressed every assertion made in the Office Action. Applicant’s silence regarding any such assertion does not constitute any admission or acquiescence. Applicant reserves all rights not exercised in connection with this response, such as the right to challenge or rebut any tacit or explicit characterization of any reference or of any of the present claims, the right to challenge or rebut any asserted factual or legal basis of any of the rejections, the right to swear behind any cited reference such as provided under 37 C.F.R. § 1.131 or otherwise, or the right to assert co-ownership of any cited reference. Applicant does not admit that any of the cited references or any other references of record are relevant to the present claims, or that they constitute prior art. To the extent that any rejection or assertion is based upon the Examiner’s personal knowledge, rather than any objective evidence of record as manifested by a cited prior art reference, Applicant timely objects to such reliance on Official Notice, and reserves all rights to request that the Examiner provide a reference or

affidavit in support of such assertion, as required by MPEP § 2144.03. Applicant reserves all rights to pursue any cancelled claims in a subsequent patent application claiming the benefit of priority of the present patent application, and to request rejoinder of any withdrawn claim, as required by MPEP § 821.04.

### CONCLUSION

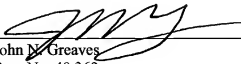
Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney ((801) 278-9171) to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

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